

PCT/PTO 30 APR 2002 #4  
34420.01.0003

10/018755

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
AS DESIGNATED OFFICE (DO/US)

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE ALLOWED

PCT/EP00/04580

19 May 2000

18 June 1999

Applicant: Perthold et al.  
U.S. Serial No. 10/018,755  
Filing Date: 17 December 2001

Examiner:  
Confirmation No. 4461  
Atty. Docket no. 34420.00.0001

Title: Device and Method for Predistorting a Transmittal Signal to be Transmitted Via  
a Nonlinear Transmission Path

Commissioner for Patents  
Box PCT  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

Certificate of First Class Mailing

*I hereby certify that this paper is being sent via first class  
mail in an envelope addressed to : Commissioner for  
Patents, Box PCT, U.S. Patent & Trademark Office,  
Washington, D.C. 20231, on this date.*

4/19/02  
Date

Marge Caruso  
Marge Caruso

**Response to Notification of Missing Requirements Under 35 U.S.C. 371 in  
the United States Designated/Elected Office (DO/EO/US)**

On December 17, 2001, the above-captioned application was filed without a signed declaration. On February 19, 2002, the U.S. Patent and Trademark Office mailed a Notification of Missing Requirements Under 35 U.S.C. 371 In The United States Designated/Elected Office (DO/EO/US). Applicants submit a facsimile copy of an executed Declaration for Utility or Design Patent Application executed by the Applicants on April 17, 2002. Applicants believe that this satisfies the requirements of the U.S. Patent and Trademark Office.

Applicants also submit herewith a check in the amount of \$428.00. This amount covers the \$130.00 Late Oath or Declaration Surcharge and \$298.00 for additional claim charges.

In the event that the Office believes that additional charges are necessary in connection with the processing of this Response to Notification of Missing

Requirements, the Office is authorized to charge such fees to my deposit account, No. 22-0259. A copy of the Notification of Missing Requirements (Form PCT/DO/EO/905) is also enclosed.

Dated: April 19, 2002

Respectfully submitted,

Vedder, Price, Kaufman & Kammholz.  
222 N. LaSalle Street, Suite 2600  
Chicago, IL 60601  
Phone: (312) 609-7599  
Facsimile: (312) 609-5005

Christopher J. Reckamp

  
Reg. No. 34,414

IN THE UNITED STATES

☐ RECEIVING OFFICE (RO/US)  
☒ DESIGNATED OFFICE  
(DO/US)  
☐ ELECTED OFFICE (EO/US)

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE ALLOWED

PCT/EP00/04580

19 MAY 2000

18 JUNE 1999

TITLE OF INVENTION DEVICE AND METHOD FOR PREDISTORTING A TRANSMISSION  
SIGNAL TO BE TRANSMITTED VIA A NONLINEAR TRANSMISSION PATH

APPLICANT(s)

Rainer PERTHOLD; Maximilian HOFMANN; Ingo ROGALSKY; Heinz GERHAEUSER

Commissioner for Patents

Box PCT

U.S. Patent and Trademark Office

Washington DC 20231

VERIFIED CERTIFICATION OF FIRST CLASS MAILING DATE

I declare that on April 19, 2002, I deposited with the United States Postal Service in an envelope addressed to "Commissioner for Patents, Box PCT, U.S. Patent and Trademark Office, Washington DC 20231" and having a First Class Mail Certification, which I executed, the following papers:

Transmittal Letter (Form PTO-1390) (2 pages); Response to Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) (2 pages), a facsimile copy of an executed Declaration for Utility or Design Patent Application (2 pages), copy of the Notification of Missing Requirements (Form PCT/DO/EO/905) (2 pages); Assignment Recordation Form (Form PTO-1595) (1 page), a facsimile copy of an executed Assignment (2 pages); Check no. 183035 in the amount of \$428; Check no. 183034 in the amount of \$40; return receipt postcard.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Marge Caruso

Typed or printed name of person making this verified statement

Date: April 19, 2002

*Marge Caruso*

Signature of person making this verified statement

10/018755

FORM PTO-1390  
(REV. 9-2001)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

34420.00.0001

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

10/018,755

INTERNATIONAL APPLICATION NO.  
PCT/EP00/04580

INTERNATIONAL FILING DATE  
19 MAY 2000

PRIORITY DATE CLAIMED  
18 JUNE 1999

TITLE OF INVENTION

Device and Method for Predistorting a Transmission Signal to be Transmitted Via a Nonlinear Transmission Path

APPLICANT(S) FOR DO/EO/US

Perthold, Hofmann, Rogalsky and Gerhaeuser

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:  
Return receipt postcard

21. ☒ The following fees are submitted:**BASIC NATIONAL FEE** (37 CFR 1.492 (a) (1) - (5)):Neither international preliminary examination fee (37 CFR 1.482)  
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO  
and International Search Report not prepared by the EPO or JPO ..... \$1040.00International preliminary examination fee (37 CFR 1.482) not paid to  
USPTO but International Search Report prepared by the EPO or JPO ..... \$890.00International preliminary examination fee (37 CFR 1.482) not paid to USPTO  
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$740.00International preliminary examination fee (37 CFR 1.482) paid to USPTO  
but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$710.00International preliminary examination fee (37 CFR 1.482) paid to USPTO  
and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00**ENTER APPROPRIATE BASIC FEE AMOUNT =****CALCULATIONS PTO USE ONLY**Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 130.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	21 - 20 =	1	x \$18.00	\$ 18.00
Independent claims	- 3 =		x \$84.00	\$

MULTIPLE DEPENDENT CLAIM(S) (if applicable) 5 + \$280.00 \$ 280.00

**TOTAL OF ABOVE CALCULATIONS =**☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above  
are reduced by 1/2.**SUBTOTAL =**Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(f)).**TOTAL NATIONAL FEE =**Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +**TOTAL FEES ENCLOSED =** \$ 468.00

05/06/2002 SHAJARRO 00000109 10018755

01 FC:154	130.00 OP
02 FC:966	18.00 OP
03 FC:968	280.00 OP

Amount to be refunded:	\$
charged:	\$

- a. ☒ A check in the amount of \$ 428 & 40 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposit Account No. 22-0259. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card  
information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR  
1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Christopher J. Reckamp  
Vedder, Price, Kaufman & Kammholz  
222 North LaSalle Street  
Chicago, IL 60601

April 19, 2002

SIGNATURE

Christopher J. Reckamp

NAME

34,414

REGISTRATION NUMBER



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT  
United States Patent and Trademark Office  
Washington, D.C. 20231  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/018,755	Rainer Perthold	33420.00.0001

INTERNATIONAL APPLICATION NO.
-------------------------------

PCT/EP00/04580

I.A. FILING DATE	PRIORITY DATE
05/19/2000	06/18/1999

Christopher J Reckamp  
Vedder Price Kaufman & Kammholz  
222 N LaSalle Street Suite 2600  
Chicago, IL 60601-1104

CONFIRMATION NO. 4461

371 FORMALITIES LETTER



\*OC00000007472289\*

Date Mailed: 02/19/2002

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- English Translation of the IA
- Oath or Declaration
- Preliminary Amendments

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- \$130 Surcharge for providing the oath or declaration later than the appropriate 30 months months from the priority date (37 CFR 1.492(e)) is required.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Additionally the following defects have been observed:

- Additional claim fees of \$298 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$428 for a Large Entity:

- \$130 Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is \$298
  - \$18 for 1 total claims over 20.
  - \$280 for multiple dependant claims surcharge.

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

JOHN L ANDERSON

Telephone: (703) 308-9116

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/018,755	PCT/EP00/04580	33420.00.0001